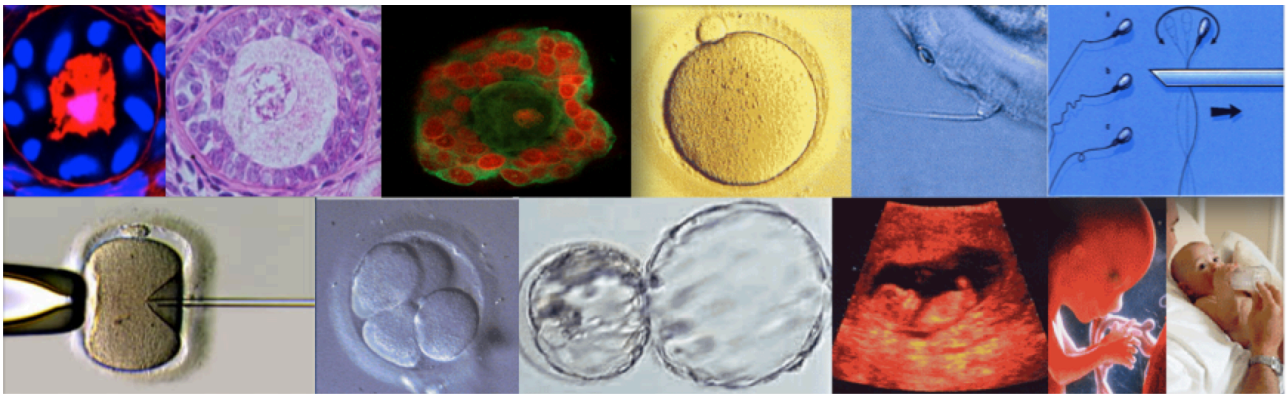


Advanced course in Human oocytes, embryo and ovarian tissue vitrification

20-21 April 2020, Naples Italy



The Advanced Embryologist Training Program provides hand-on training for Clinicians and Biologists, that are interested in acquiring improved skills and understanding of theoretical and practical aspects of Clinical Embryology practice. This course covers both basic and advanced principles and techniques used in clinical embryology and andrology / IVF lab.

The course is delivered one to one or in small groups this ensures that our experts, led by the Prof. Riccardo Talevi and Brian Dale, can provide the best education to each student.

Course dates:

Two days intensive practical and clinical training (open dates in March 2020) (IVF red ,University of Naples, Italy and IVF clinic)

Supported by:

University of Naples "Federico II", Italy

IVF RED SRL

CFA IVF clinic

Course highlights:

Fundamental & Clinical aspects of Reproductive BioMedicine and IVF technology

Live demonstration/hands-on training in various clinical and laboratory techniques

Interactive small group discussions

Course evaluation by renowned university professors.

This program is intended for:

Specialist Practitioners and experienced / Senior Scientific Staff working in public or private Hospital laboratory or Embryology Laboratories

Gynecologist

Biomedical Scientists

Clinical Scientists

Biologist interested in developing skills in Embryology

Faculty:

Prof Riccardo Talevi, Italy

Prof Brian Dale, Italy

Prof. Roberto Gualtieri Italy

Dr. Lodovico Parmeggiani Italy

Dr. Giuseppe Mondrone Italy

Dr. Vincenza Barbato Italy

Dr. Valentina Costanzo Italy

Dr. Romualdo Sciorio Edinburgh Scotland

Course fee*:

The cost of the course is 1200 Euro. This price includes:

- Practical and theoretical courses
- Course biological material
- Course disposables
- Course booklet
- Breakfast and lunches for the time of the course

**course fee excludes travel, accommodation and visa expenses*

Each participant will receive:

Certificate of Training (issued upon successful assessment by the instructor) and Grading Report

AIMS:

The aim of the course is to provide a theoretical and practical study of a technique that has assumed a fundamental role in the field of assisted reproduction: the cryopreservation of oocytes, embryos and ovarian tissue. The different strategies of cryopreservation and their applications that currently allows preserving supernumerary embryos and allow female fertility preservation will be analyzed. The course is focused on the central role that embryonic cryopreservation is playing today in the clinical embryology laboratory and in the assisted reproduction field. In fact, thanks to the high efficiency of the current vitrification methods, which allow an almost total recovery of the cryopreserved embryos, a new operational strategy has been developed, called "freeze-all strategy". This allows increasing the pregnancy rates postponing the transfer of cryopreserved embryos in a successive cycle where respect to the stimulation cycle is possible to develop a better endometrial receptivity.

DAY I 20 April 2020

Cryobiology start up

CFA Centro Fecondazione Assistita Napoli Via Tasso, 480 - 80123

Day course objectives:

During the course, each participant receives one-on-one training to develop knowledge and skills in the cryopreservation techniques and, vitrification procedures. A detailed description of the vitrification supports.

| Time | Topic | Faculty |
|---------------|--|-----------------------------|
| 8:00 – 8:30 | Welcome coffee registration and distribution of course material Course materials consist of lecture notes, supplementary reading, and links to other sites or software. | |
| 8:30 – 9:00 | Introduction and description of the course | Prof. R.Talevi Prof. B.Dale |
| 9:00-10:00 | Principle and theory of the cryopreservation | Prof .R.Gualtieri |
| 10:00 -11:00 | Vitrification the new approach | Prof. R.Talevi |
| 11:00 – 11:30 | Coffee break | |
| 11.30– 12:30 | The safety in the cryo lab | Dr. L.Parmegiani |
| 12:30- 13:00 | Discussion | |

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|---------------|--|--|
| 13:00 – 14:00 | Lunch Break | |
| 14:00 – 18:00 | Laboratory activity Vitrification of oocyte and embryos (animal model: Mouse and/or Bovine) | Guidance and assistance with tutors of IVF red, University and CFA |

DAY 2 21 April 2020

Advanced Cryobiology

CFA Centro Fecondazione Assistita Napoli Via Tasso, 480 - 80123

Day course objectives:

During the course each participant receives one-on-one training to develop knowledge and skills in _ - oocyte, embryos and ovarian tissue vitrification

| Time | Topic | Faculty |
|---------------|---|--|
| 9.00 – 10:00 | Cryopreservation of ovarian tissue | Prof. R.Talevi |
| 10.00-11.00 | Vitrification of blastocyst: is the right time for freezing all? | Dr. R.Sciorio |
| 11.00 -11:30 | Coffee break | |
| 11.30 – 12:30 | The quality management program in a cryo lab | Prof. B.Dale |
| 12:30 13:00 | Discussion | |
| 13:00 – 14:00 | Lunch Break | |
| 14:00 – 17:00 | Laboratory activity Vitrification of oocyte embryos and ovarian tissue (animal model: Mouse and/or Bovine) | Guidance and assistance with tutors of IVF red, University and CFA |
| 17:00- 18.00 | Evaluation & Conclusion | Tutors of IVF red, University and CFA |
| 20.30 | Farewell dinner | |